



# Application for Certification as an Eligible Energy Resource Under the Delaware Renewable Energy Portfolio Standard

1	Name of Facility		
Τ,	•		
	Raman's residence		
2.	Facility Address		
2	2 Silver Lake Dr, Middletown, DE 19709		
	Is the facility located within the PJM control area?	Yes	□ N
	If No, does the Facility have import capabilities <sup>1</sup> ?	☐ Yes	□ No
3.	Name of Owner		
	Nandikkara V Raman		

Mailing Address
 Silver Lake Dr, Middletown, DE 19709

Phone 302 373 0977 Fax \_\_\_\_\_

Email ramannv@hotmail.com

Name of Operator
 Nandikkara V Raman
 Mailing Address
 Silver Lake Dr, Middletown, DE 19709
 Phone302 373 0977 Fax

Email ramannv@hotmail.com

Name of Contact Person
 Nandikkara V Raman
 Mailing Address - 22 Silver Lake Dr, Middletown, DE 19709

<sup>&</sup>lt;sup>1</sup> Documentation will be required to substantiate import capabilities into PJM

Phone	Fax
Email	
Name of REC/SREC Owi	ner Ramani
Mailing Address	the DR
MIDDLE TOWN	DE 19709
Phone 302-373-	-0977 Fax
Email RAMANNI	C HOTMAIL. COM
List all PJM-EIS GATS Sta Nonc	ate Certification Numbers assigned to this facility:
Operational Characteris	rtics:
Fuel Types Used (check	all that apply):
$f \Box$ Gas combustion from	the anaerobic digestion of organic material
☐ Geothermal	
Ocean, wave or tidal	actions, currents, or thermal differences
☐ Qualified Biomass <sup>i</sup>	
☐ Qualified Fuel Cells <sup>ii</sup>	
☐ Qualified Hydroelectr	ic <sup>iii</sup>
☐ Qualified Methane Ga	as captured from a landfill gas recovery systemiv
<b>X</b> Şolar	
☐ Wind	

If co	o-firing, provid	le the formula d	on file with	PJM Environmental	Information
Ser	vices, Inc. (PJN	1-EIS)		X 000000	Warning -
Rat	ed Capacity (ir	n megawatts - l	OC)0.009	1	
				formula for computs per hour generate	_
Fac	ility <b>Final App</b> i	oved Intercon	nection Dat	te 09/18/18	
If co	o-firing with fo	ssil fuels, co-fir	e start date		
If co	o-firing with fo	ssil fuels, attac	h the alloca	ition formula on file	with PJM.
10. ls th	ne Applicant's ■ Yes	facility customo	er-sited ger	neration <sup>v</sup> ?	
ls th	ne Applicant's Yes	•	unity owne	ed generating facility	, <sub>vi</sub> ò
Can	the output fro		er-sited ger	eration be appropr	iately metered?
50%	of the cost of		energy equ	sited in Delaware, i uipment, inclusive o	
□ Y	es*	■ No			£
Rev. 8-11-2015			3	CaryHarrite	PL

Te	sla Energy Operations, Inc.	
_	npany Name of Installer	Signature of Company Representative
128	332 South Frontrunner Blvd	Carly Hamilton
Add	ress	Print Name of Company Representative
Dra	per, UT 84020	
Add	ress	
*If Ye	s, please attach the following doc	umentation:
• A		ving Delaware manufactured equipment with this
	o If the supplier's invoice show the company's matching PO used/installed, must also be	• •
		ecord of the draws against the purchased quantity, on ow the address of each use and the quantity of materia
12. If t	he Applicant's installation is s	solar or wind sited in Delaware:
a.	Was the facility physically c consists of at least 75% Del ☐ Yes* ■ No	onstructed or installed with a workforce that aware residents?
, b.	Does the installing company who are Delaware resident:	y employ, in total, a minimum of 75% workers s?
	☐ Yes* ■ No	7.40
	sla Energy Operations, Inc	
Com	pany Name of Installer	Signature of Company Representative
1283	32 South Frontrunner Blvd	Carly Hamilton
Addr Drap	ess per, UT 84020	Print Name of Company Representative
Addr	ess	
qualify for the	Labor/Workforce Bonus, at least	n (see pages 7-8 for details). Please note, in order to one of the options (a. or b.) must be met.
	ARA V RAMAN	
1,	(print name	e) hereby certify under penalty of perjury that

- 1. I have made reasonable inquiry, and the information contained in this Application is true and correct to the best of my knowledge, information and belief.
- 2. I am authorized to submit and execute this Application and to bind myself and/or my company to the representations contained herein.
- 3. I/my company agree(s) to comply with and be subject to the jurisdiction of the Public Service Commission of the State of Delaware for any matters arising out of my submission of this Application or the granting of the Application.
- 4. In the event that any of the information contained in this Application changes pending the consideration of this Application or after the Application is granted, I/my company will amend the Application to provide the Commission with such changed information.
- 5. I acknowledge that if any of the representations made in this Application or in any amendment thereto are found to be untrue when made, I/the company may be subject to sanctions, including but not limited to monetary fines and/or the revocation of any Certificate granted as a result of the representations made in this Application.

Signature:	NANDIKKARA	V RAMAN	Dune	
Date:	2/9/2019			

**Required Documentation:** 

# <u>Municipality Generator Interconnection Application -Short Form</u> Part II - Final As-Built Details

to the Municipality of Town of	Middletown, to install and operate a generating facility
interconnected with the Municipal's utility system.	
Section 9. Installation Details	
Generating System was installed by: Owner	State Licensed Electrician
Installing Electrician: Firm: Testa	Energy Operations, Inc. License No.:
Mailing Address: 6671 Las Vegas Blvd Sout	h, Suite 200
City: Las Vegas State: N	VV Zip Code: 89119
Telephone: Area Code: 702 Number: 703-895	51
Installation Completion Date:	Interconnection Date:  (System connected but shall not be active/live.  System not approved by Utility at this point.)
Supply certification that the generating system has been Building/Electrical code of the municipality of Town of Middle	installed and inspected in compliance with the local
Signed (Inspector): please see attached final insp (in the of signature of inspector, a copy of the fin	
Generator Technical Information	
The applicant certifies that the system described below is the application submitted by the applicant and approved by	
Generator Equipment and Operation Details (If multiple diff	ferent products are used please detail)
Generator Manufacturer:	Panasonic
Generator Model Name:	SolarCity Standard: SC325
Generator Model Number:	
Generator Output (kW):	9.10
Inverter Manufacturer:	Delta
Inverter Model Name:	Delta Solivia 5.2 TL RGM Delta Solivia 5.2 TL RGM
Inverter Model Number:	
Inverter Power Rating (AC Watts):	10.40 kW



Number of Inverters:	2
Inverter Efficiency %:	97.5
Intended Inverter Location:	Outdoor
System Rated Output (Generator Output x Inverter Efficiency)	8.37
If Generator is Photovoltaic include as well:	
Module Power Rating (DC @ STC): Should match Generator Output (kW)	9.10
Number of Modules:	28
Total Solar Output kW (Modules x Power Rating DC @ STC):	8.37
Array Orientation (degrees): Note size of each array with different degrees.	105, 195, 105, 285
Array Tilt (degrees): Note size of each array with different degrees.	23, 35, 23, 23
Required: Completed Generator Installation Pictures Attach electric permits	ed: Must show whole generator, inverters,

# Section 10. Applicant Certifications

I hereby certify that, to the best of my knowledge, all the information provided in the Final As-Built Details is true and correct. I agree to install a Warning Label provided by the Municipality on or near my service meter location. I also agree to submit a new or revised Interconnection Application and comply with all governing permitting requirements before adding to in any way or subtract from in any way the current approved electric generating system; including but not limited to expanding, replacing, or removing all or a portion of the current system, adding a new generator type, and/or replacing in anyway the generator system inverter. I further agree to notify the utility in writing through official certified mail at least 30 days before I sell or transfer ownership of the system to another owner to allow the municipal electric utility to update records and determine if the new owner agrees to the generation and interconnection responsibilities associated with the transfer of ownership. A new property owner, of property that up until the time of sale had an approved Interconnection Agreement in place for net-metering, has 30 days to submit a new Interconnection Agreement for net-metering in his/her name. If the new owner fails to submit an Interconnection Agreement within 30 days of property transfer, certain net-metering transfer rights may be discontinued.

Failure for non-compliance to these certifications will be considered a violation of the net-metering agreement and may result in the disconnection of the electric generator at the discretion of the municipal electric utility. The sale or transfer of the electric generator shall not compromise law.

I further certify and understand that municipal utility review and approval of this application does not constitute an endorsement of actual equipment performance nor does it endorse its benefits or economics.

n

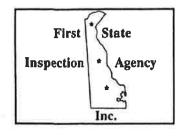
Signature of Applicant:	1 Kay		Date: 5 / 44	1/18"
Print Name: Nandikkara F	Raman			
Call your municipal electric ser Make sure to include all applica				nection Application.
Section 11. Final Approval	or Non-Approva	l for Interconnecti	on and System	<b>Operation</b>
The Municipal Utility:	Approves	Does NOT Ap	pprove	30
The interconnection of aSolar		generator as detailed	in the Final As-E	Built Details and located
at (installation address)22 Sil	ver Lake Dr.			
The Municipal Utility has verified	the applicant's aver	age electric consump	tion in Appendix	A. X Yes No
The Municipal Utility has verified produce no more than 110% of the Appendix A. X Yes				
Signed (Municipal Utility):	íristopher N	Pierce	Date:9-1	1-2018
Print Name & Title:Christopl	ner N Pierce			
Reason of Not Approving:				



Approval to connect to the municipal system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.

Section 12. Municipal Internal Notifications	
Send Applicant Warning Label for installing on/ near service meter:	Yes Yes
Notify Billing Dept. of Interconnected Generation:	Yes
Notify District Engineering of Interconnected Generation:	Yes Yes
Notify System Protection of Interconnected Generation:	Yes Yes
Notify Municipal Building Department:	Yes Yes
A copy of the approved Part II Final As-Built Details must be sent to the Delaware Municipal Electric Corporation ("DEMEC").	Yes
DEMEC	
P.O. Box 310	
Smyrna, DE 19977	





First State Inspection Agency, Inc. 1001 Mattlind Way Milford, DE 19963

> 1-800-468-7338 302-422-3859

Solar City Corporation Attention: Accts. Payable 6671 Las Vegas Blvd. S, #300 Las Vegas, NV 89119

# **CERTIFICATE**

Final Inspection Date:

Application #:

Owner:

Customer Job #:

Occupancy: Location:

8/31/2018

51296 N. Raman

Solar 9.1 KW

22 Silver Lake Dr Middletown, De

New Castle County

This certifies that the installation of electrical equipment listed on referenced application has been approved as meeting the requirements of the National Electric Code, utility, municipalities and Agency rules. Any modification, addition or alteration of the electrical system, after the date of final inspection, will require a new application for inspections and certifications.

Chief Electrical Inspector

F.S. CERT

Report Title:

Incident Details

Run Date and Time:

2018-09-19 08:03:59 Pacific Daylight Time

Run By:

Gilbert Diaz

Table name:

incident

	WHEN VOIC		
Number:	ING3344901	Opened:	2018-09-18 04:45:11
Caller:	Guest	Opened by:	Guest
Caller Location:	NA-US-CA-Fremont-901 Page	Contact type:	Email
ncident Location:		Incident state:	Active
Business service:		Assignment group:	Energy Interconnection
Configuration item:		Assigned to:	Gilbert Diaz
Category:	Energy Interconnection	Request:	false
Subcategory 1:		Problem:	
Subcategory 2:		Watch list:	CPierce@middletownde.org
Subcategory 3:		Outage Subscribers:	
Data Center Location:		SOX1 Flag:	
mpact:	3 - Low	SOX2 Flag:	
Jrgency:	2 - Medium	Vendor Name:	
Priority:	P4 - Low	CMN Issues:	
vendor:	No	To Emails:	interconnection.de@tesla.com
ServerVirtualization WL Flag:			
Response Time:			
RTIME:			
Resolver Open:			
Created:	2018-09-18 04:45:11		

#### Short description:

RE: Interconnection Application for Raman at 22 Silver Lake Dr, Middletown, DE 19709, Part 2

Incident Description:

Please find the attached

Please note that the Town of Middletown will no longer reimburse the consumer for electric production over 100% of the yearly consumption. The Town has exceeded the 5% total aggregated load. However if the aggregated load drops below 5% the reimbursements may resume,

According to 26 Del. C. § 1014 (e)(7):
(7) If the total generating capacity of all customer-generation using net metering systems served by an electric utility exceeds 5% of the capacity necessary to meet the electric utility's aggregated customer monthly peak demand for a particular calendar year, the electric utility may elect not to provide net metering services to any additional customer-generators.

Christopher N Pierce Meter Foreman Town of Middletown 431 Haveg Rd. Middletown, De. 19709 (p) 302-378-5677

To: Chris Pierce < CPierce@middletownde.org>

Subject: Interconnection Application for Raman at 22 Silver Lake Dr, Middletown, DE 19709, Part 2

Hello

Attached are the following documents for the proposed PV system at 22 Silver Lake Dr. Middletown, DE 19709

- Page 2 of the Generator Interconnection Application
- Electrical Inspection Certificate/UCC

Thank you,

Gilbert Diaz | Interconnection Specialist, Utility Team 6611 S Las Vegas Blvd, Las Vegas, NV 89119 p. (888) 765-2488 | m. (888) 765-2488 | gidiaz@tesla.com<mailto:gidiaz@tesla.com<

[cid:image002.png@01D3CBEF.F8EB9F90]<http://www.tesla.com/> [cid:image004.png@01D3CBEF.F8EB9F90]

<a href="https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/url?u=https://urldefense.proofpoint.com/v2/urldefense.proofpoint.c 

3A\_www.instagram.com\_teslamotors\_&d=DwlGaQ&c=m5pJjvhoJ8du6Q8es33zcrlMoqSJBzBMtZh4icn4nJ8&r=d0Wgja7k5p5VgVmz\_dlM48Ba64XR5DmgR NcsV7QXe5U&m=1fhApWb6H80RfhXRaG1WCzbwgfb5F\_sREpZkq-gl9si&s=vmaqBlnsSLGAQnxuz93l\_qAYaTM4twdyVmwyU\_jrefY&e=> [cid:image010.png@01D3CBEF.F8EB9F90] <a href="https://urldefense.proofpoint.com/v2/url?u=https-3A\_www.linkedin.com\_company\_tesla-2Dmotors\_&d=DwlGaQ&c=m5pJjvhoJ8du6Q8es33zcrlMoqSJBzBMtZh4icn4nJ8&r=d0Wgja7k5p5VgVmz\_dlM48Ba64XR5DmgRNcsV7QXe5U&m=1fhApWb6H80RfhXRaG1WCzbwgfb5F\_sREpZkq-gl9sl&s=AwAR5OG7Y\_x08nvZtV-T1GX4tQEiVhdwHYizDGnEwTk&e=>

## Notes

### Additional comments:

2018-09-18 04:45:11 - Guest (Additional comments) received from: CPierce@middletownde.org

Work notes:

**Outage Notification Summary:** 

### **Closure Information**

Knowledge:

false

Resolved by:

Resolution code:

Resolved:

Close notes:

Related Records

Parent Incident:

Problem(u\_problem):

Change Request:

Caused by Change:

Related List Title:

Task SLA List

Table name:

task\_sla

Query Condition:

Task = INC3344901

Sort Order:

None

2 Task SLAs

SLA	Туре	Stage	Has breached	Start time	Stop time	Actual elapsed time	Actual elapsed percentage
Priority 4 Incident Resolution	SLA	In progress	false	2018-09-18 04:45:11		1 Day 15 Minutes	33.69
Priority 4 Incident Response	SLA	Completed	false	2018-09-18 04:45:11	2018-09-18 05:17:31	32 Minutes	4.49